

- (c) using the mask to provide antialiasing;
- (d) repeating steps (a)-(c) for each remaining object of the at least one object; and
- (e) repeating steps (a) through (d) for each remaining position of the plurality of positions.

7. (Amended) The method of claim 6 wherein the repeating step (d) further includes the step of:

- a2
- (e1) repeating steps (a) through (c) and steps (f) through (g) for each remaining object.

Please cancel claim 9.

sub
a3

10. (Amended) A system for generating a graphical image on a display from data describing at least one object, the system comprising:

a display including a plurality of positions, each of the plurality of positions having an area;
a processor block coupled with the display, the processor block for determining if a portion of each of the at least one object intersects a current position of the plurality of positions and providing an output if the portion intersects the current position;

an interpolator coupled with the processor block, the interpolator for interpolating the data and providing a mask for the portion, the mask indicating an extent to which the portion occupies the area of the current position; and

means for utilizing the mask to provide antialiasing;

wherein the at least one object are rendered in raster order.

Please cancel claim 16.